

CLAIM AMENDMENTS

Claims 1-10 (canceled).

Claim 11 (previously presented):

An up-cut chop saw, comprising:

a frame;

a work surface supported by the frame and adapted to support a workpiece;

a rotatable blade configured to cut a workpiece on the work surface by moving from below the work surface to a position where at least part of the blade is above the work surface, where the blade is electrically isolated so that it may carry an electric signal;

at least one brace member coupled to move upward with the blade,

at least one motor configured to drive the blade;

at least one actuating mechanism operable to move the blade upward to a position where at least part of the blade is above the work surface;

a detection system adapted to impart an electric signal to the blade and to monitor the signal for a predetermined change indicative of contact between a person and the blade; and

a reaction system configured to retract the blade from a position where at least part of the blade is above the work surface to a position where the blade is completely below the work surface upon detection by

the detection system of the predetermined change indicative of contact between a person and the blade;

where the actuating mechanism is further operable to lower the blade below the work surface after the blade has been moved to a position where at least part of the blade is above the work surface; where the reaction system is configured to operate the actuating mechanism to lower the blade upon detection by the detection system of the predetermined change indicative of contact between a person and the blade; and where the reaction system includes a brake mechanism configured to engage the brace member and stop the upward motion of the blade upon detection by the detection system of the predetermined change indicative of contact between a person and the blade.

Claim 12 (previously presented):

An up-cut chop saw, comprising:

a frame;

a work surface supported by the frame and adapted to support a workpiece;

a rotatable blade configured to cut a workpiece on the work surface by moving from below the work surface to a position where at least part of the blade is above the work surface, where the blade is electrically isolated so that it may carry an electric signal;

at least one brace member coupled to move upward with the blade,

at least one motor configured to drive the blade;

at least one actuating mechanism operable to move the blade upward to a position where at least part of the blade is above the work surface;

a detection system adapted to impart an electric signal to the blade and to monitor the signal for a predetermined change indicative of contact between a person and the blade; and

a reaction system configured to retract the blade from a position where at least part of the blade is above the work surface to a position where the blade is completely below the work surface upon detection by the detection system of the predetermined change indicative of contact between a person and the blade; and where the reaction system includes a brake mechanism configured to engage the brace member and stop the upward motion of the blade upon detection by the detection system of the predetermined change indicative of contact between a person and the blade.

Claims 13-26 (cancelled).